

Page 15, line 11 delete "preemphasis" and substitute therefor -- pre emphasis --.

Page 18, line 21 after "190," insert -- which --.

### In The Claims

In accordance with 37 C.F.R. § 1.121, please amend the following claims by inserting the language that is underlined ("\_\_\_") and deleting the language that is enclosed in brackets ("[]").

A2  
1 1. (Amended) A digital subscriber line (DSL) communication device,  
2 comprising:  
3 a receiver for developing a received signal; and  
4 a digital signal processor (DSP) configured to perform layer two error  
5 detection in the receiver by computing a frame check sequence (FCS) on each frame of said  
6 received signal.

A3  
1 10. (Amended) A method for updating adaptive parameters in a digital subscriber  
2 line (DSL) communication device, comprising the steps of:  
3 developing, in a receiver, a received signal; and  
4 performing, in a digital signal processor (DSP) located in the receiver, layer  
5 two error detection by computing a frame check sequence (FCS) on each frame of said  
6 received signal.

A4  
1 19. (Amended) A computer readable medium having a program for updating  
2 adaptive parameters in a digital subscriber line (DSL) communication device, the program  
3 comprising:  
4 means for developing[, in a receiver,] a received signal in a receiver; and  
5 means for performing, in a digital signal processor (DSP) located in the  
6 receiver, layer two error detection by computing a frame check sequence (FCS) on each  
7 frame of said received signal.

~~Please~~ add the following new claims:

1 28. (Newly Added) The apparatus as defined in claim 2, wherein said frame check  
2 sequence is used to calculate the adaptive parameters of a device chosen from the group  
3 consisting of an equalizer, an echo-canceller, an adaptive gain device, and a timing loop.

1 29. (Newly Added) The apparatus as defined in claim 2, wherein said frame check  
2 sequence is used to adapt a receive margin level based on said received signal.

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A  
1 30. (Newly Added) The method as defined in claim 11, further comprising the step of  
2 using said frame check sequence to calculate the adaptive parameters of a device chosen from  
3 the group consisting of an equalizer, an echo-canceller, an adaptive gain device, a and timing  
4 loop.

1 31. (Newly Added) The method as defined in claim 11, wherein said frame check  
2 sequence is used to adapt a receive margin level based on said received signal.

1 32. (Newly Added) The program as defined in claim 20, wherein said frame check  
2 sequence is used to calculate the adaptive parameters of a device chosen from the group  
3 consisting of an equalizer, an echo-canceller, an adaptive gain device, and a timing loop.

1 33. (Newly Added) The program as defined in claim 20, wherein said frame check  
2 sequence is used to adapt a receive margin level based on said received signal.

[illegible]

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